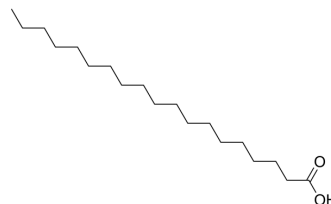


Nonadecanoic acid

Cat. No.:	HY-W004261		
CAS No.:	646-30-0		
Molecular Formula:	C ₁₉ H ₃₈ O ₂		
Molecular Weight:	298.5		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (335.01 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3501 mL	16.7504 mL	33.5008 mL
		5 mM	0.6700 mL	3.3501 mL	6.7002 mL
10 mM		0.3350 mL	1.6750 mL	3.3501 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.38 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Nonadecanoic acid is a 19-carbon long saturated fatty acid. Nonadecanoic acid is the major constituent of the substance secreted by <i>Rhinotermes marginalis</i> to defence ^[1] .
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

[1]. S.Blum, et al. Biochemistry of termite defenses: Coptotermes, rhinotermes and Cornitermes species. Comparative Biochemistry and Physiology Part B: Comparative

Caution: Product has not been fully validated for medical applications. For research use only.

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